

TABLE 4

Federal obligations and outlays for research and experimental development, by agency: FYs 2021–22

(Dollars in millions)

Agency	Obligations		Outlays	
	2021	2022 (preliminary)	2021	2022 (preliminary)
All agencies	190,151	189,059	174,529	179,316
Departments				
Department of Agriculture	2,898	3,266	2,593	3,258
Agricultural Marketing Service	13	15	7	8
Agricultural Research Service	1,510	1,599	1,378	1,705
Animal and Plant Health Inspection Service	42	45	42	44
Economic Research Service	85	90	85	91
Forest Service	286	345	290	423
National Agricultural Statistics Service	9	11	9	11
National Institute of Food and Agriculture	937	1,148	779	975
Natural Resources Conservation Service	13	13	1	*
Department of Commerce	1,813	2,043	1,689	1,774
Census Bureau	109	149	109	149
National Institute of Standards and Technology	885	891	769	838
National Oceanic and Atmospheric Administration	812	996	800	776
National Telecommunications and Information Administration	7	7	10	12
Department of Defense	70,707	75,473	63,275	68,408
Defense Advanced Research Projects Agency	3,606	3,809	3,508	3,703
Defense Health Agency	2,852	2,537	2,427	2,474
Department of the Air Force	12,390	13,245	10,563	10,333
Department of the Army	11,921	12,934	11,440	12,524
Department of the Navy	16,734	18,669	16,260	17,947
Space Force	5,342	4,593	4,393	4,166
Other defense agencies	17,863	19,686	14,686	17,259
Department of Education	364	407	214	321
Department of Energy	13,453	13,912	12,263	13,669
Advanced Research Projects Agency—Energy	315	450	308	373
Electricity Delivery and Energy Reliability	129	127	146	1,280
Energy Efficiency and Renewable Energy	2,114	2,062	1,513	1,598
Environmental Management	30	35	23	20
Fossil Energy	691	736	681	708
National Nuclear Security Administration	4,213	4,107	3,866	3,861
Defense Programs	2,703	2,492	2,384	2,284
Naval Nuclear Propulsion Program	1,140	1,246	1,140	1,246
Office of Defense Nuclear Nonproliferation	369	368	342	332
Nuclear Energy	455	479	455	521
Office of Cybersecurity, Energy Security, and Emergency Response	2	120	31	53
Office of Science	5,506	5,795	5,241	5,255
Department of Health and Human Services	76,651	69,153	72,664	67,672
Administration for Children and Families	5	4	5	4
Administration for Community Living	107	111	107	111
Agency for Healthcare Research and Quality	338	350	338	350
Agency for Toxic Substances and Disease Registry	11	11	11	11
Biomedical Advanced Research and Development Authority	33,881	26,433	33,881	26,434
Centers for Disease Control and Prevention	696	661	299	284
Centers for Medicare and Medicaid Services	421	421	36	36
Food and Drug Administration	589	669	528	599
Health Resources and Services Administration	41	38	56	45
National Institutes of Health	40,546	40,436	37,386	39,781
Office of the Secretary of Health and Human Services	17	18	17	18

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	2021	2022 (preliminary)	2021	2022 (preliminary)
Office of the Assistant Secretary for Planning and Evaluation	17	18	17	18
Department of Homeland Security	529	601	553	641
Coast Guard	10	7	10	7
Countering Weapons of Mass Destruction Office	32	39	87	68
Cybersecurity and Infrastructure Security Agency	13	11	13	11
Science and Technology Directorate	444	506	411	513
Secret Service	1	2	3	6
Transportation Security Administration	29	35	29	35
Department of the Interior	902	1,165	874	1,145
Bureau of Indian Affairs	5	4	5	4
Bureau of Land Management	10	12	9	12
Bureau of Ocean Energy Management	77	84	70	78
Bureau of Reclamation	38	42	38	42
Bureau of Safety and Environmental Enforcement	21	16	14	14
Fish and Wildlife Service	33	33	23	23
Geological Survey	691	947	691	947
National Park Service	28	28	23	25
Department of Justice	85	88	11	13
Bureau of Prisons	*	*	*	*
Federal Bureau of Investigation	4	5	4	5
Office of Justice Programs	81	83	8	8
Department of Labor	3	4	3	3
Employee Benefits Security Administration	1	2	1	1
Occupational Safety and Health Administration	2	2	2	2
Department of State	64	67	64	67
Department of Transportation	1,108	1,096	642	771
Federal Aviation Administration	507	516	221	340
Federal Highway Administration	410	391	257	245
Federal Motor Carrier Safety Administration	13	16	3	9
Federal Railroad Administration	42	51	38	42
Federal Transit Administration	43	33	29	34
National Highway Traffic Safety Administration	66	50	60	57
Office of the Secretary of Transportation	12	15	13	15
Pipeline and Hazardous Materials Safety Administration	16	24	21	29
Department of the Treasury	54	65	54	65
Bureau of Engraving and Printing	54	64	54	64
Mint	*	1	*	1
Department of Veterans Affairs	1,698	1,831	1,475	1,628
Other agencies				
Administrative Office of the U.S. Courts	4	1	4	1
Agency for Global Media	5	8	5	8
Agency for International Development	82	82	82	82
Appalachian Regional Commission	1	*	1	*
Consumer Product Safety Commission	*	*	*	*
Environmental Protection Agency	520	525	520	525
Federal Trade Commission	8	9	8	9
Library of Congress	3	3	3	3
National Aeronautics and Space Administration	11,753	11,404	11,089	12,198
National Science Foundation	6,705	7,036	5,546	6,107
Nuclear Regulatory Commission	80	82	77	79

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	2021	2022 (preliminary)	2021	2022 (preliminary)
Patient-Centered Outcomes Research Trust Fund	460	481	460	481
Postal Service	15	16	15	16
RESTORE Act Centers of Excellence Research Grants Program	0	7	4	3
Smithsonian Institution	63	95	219	228
Social Security Administration	105	99	105	99
Tennessee Valley Authority	17	41	17	41

* = amount greater than \$0 but less than \$500,000.

Note(s):

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations or outlays in variables represented by this table appear in the table. FYs 2021 and 2022 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2021–22.